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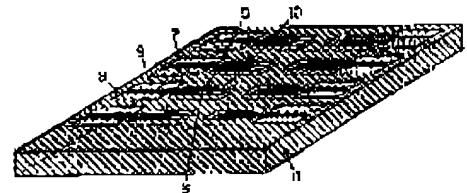
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(54) METHOD AND DEVICE FOR RECORDING/REPRODUCING INFORMATION

(57)Abstract:

PROBLEM TO BE SOLVED: To attain high density recording/reproducing with a needle such as STM, etc., by constituting a recording head with plural needles connected to a signal drive circuit and a signal detection circuit formed on the same substrate.

SOLUTION: The needles 5 are formed on a thin beam 6, and are connected to the signal drive circuit 8 and the signal detection circuit 9 electrically by an electrode 7. The needles 5, the signal drive circuit 8 and the signal detection circuit 9 are formed on the same substrate 11, and they constitute the recording head. Thus, the wiring from the signal drive circuit 8 and the signal detection circuit 9 are integrated and shortened extremely, and since inductance is reduced extremely, high speed recording/reproducing becomes possible.



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(54) 【発明の名称】 情報記録再生方法およびその装置

(57) 【要約】

【課題】 S T M等の探針で高密度に記録する。

【解決手段】 記録媒体と、記録ヘッドと、記録ヘッド移動装置とを具備してなる記録装置に於て、前記記録ヘッドが、同一基板上に形成された信号駆動回路及び信号検出回路に電気的に接続された、少なくとも片端を前記基板に固定された梁の表面の一部に形成された複数の探針から成る構成で、記録又は再生時に複数の探針が相対移動する記録媒体上のトラック数が複数になることを特徴とする記録装置である。

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